



THE EXAMINATION OF APPLE SHELF LIFE FROM CONSUMER STORAGE PERSPECTIVE

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ABSTRACT

The storage and preservation of apples are essential for consumer satisfaction and the efficiency of the food industry. The aim of this research is to comprehensively examine how different storage conditions affect the physical and chemical properties of apples, as well as their shelf life, with particular attention to the differences between store and home storage.

In the experimental part of the research, Golden Delicious apples, commonly available in commercial markets, are stored in a refrigerated warehouse, simulating consumer behavior, at two different temperatures (5 °C and 10 °C). The planned duration of the study is 10 weeks, with weekly sampling. The parameters under investigation include physical properties such as mass, size, color, flesh firmness, as well as chemical properties such as sugar and acid content. During data collection and analysis, statistical methods will be used to identify relationships and correlations between different parameters to help consumers effectively preserve and evaluate the quality of apples.

The home storage of apples plays an important role in the economic cycle, as it contributes to reducing food waste and promoting more sustainable food consumption. If consumers can effectively store apples at home, less fruit will be wasted, thus reducing the amount of food waste.

Keywords: Golden Delicious apples, consumer storage, physical properties, shelf life

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